

POPOVICH, N.G., kand.tekhn.nauk; ~~LEPOBSKIY, V.D., i.n.h.~~

Maximum form of automation of coal mining machines. Izv.vys.ucheb.
zav.; gor.zhur. 5 no.9:120-123 '62. (MIRA 15:11)

1. Kiyevskiy ordena Lenina politekhnicheskoy institut. Rekomendovana
kafedroy elektrifikatsii i avtomatizatsii gornyykh predpriyatiy.
(Coal mining machinery) (Automatic control)

LEPORSKIY, V.V.; OSIPOV, A.I.; BUL'SKIY, M.T.; ALIMOV, A.G.; SVIRIDENKO,
F.F.; SKREBTSOV, A.G.; SLEPKANEV, P.N.

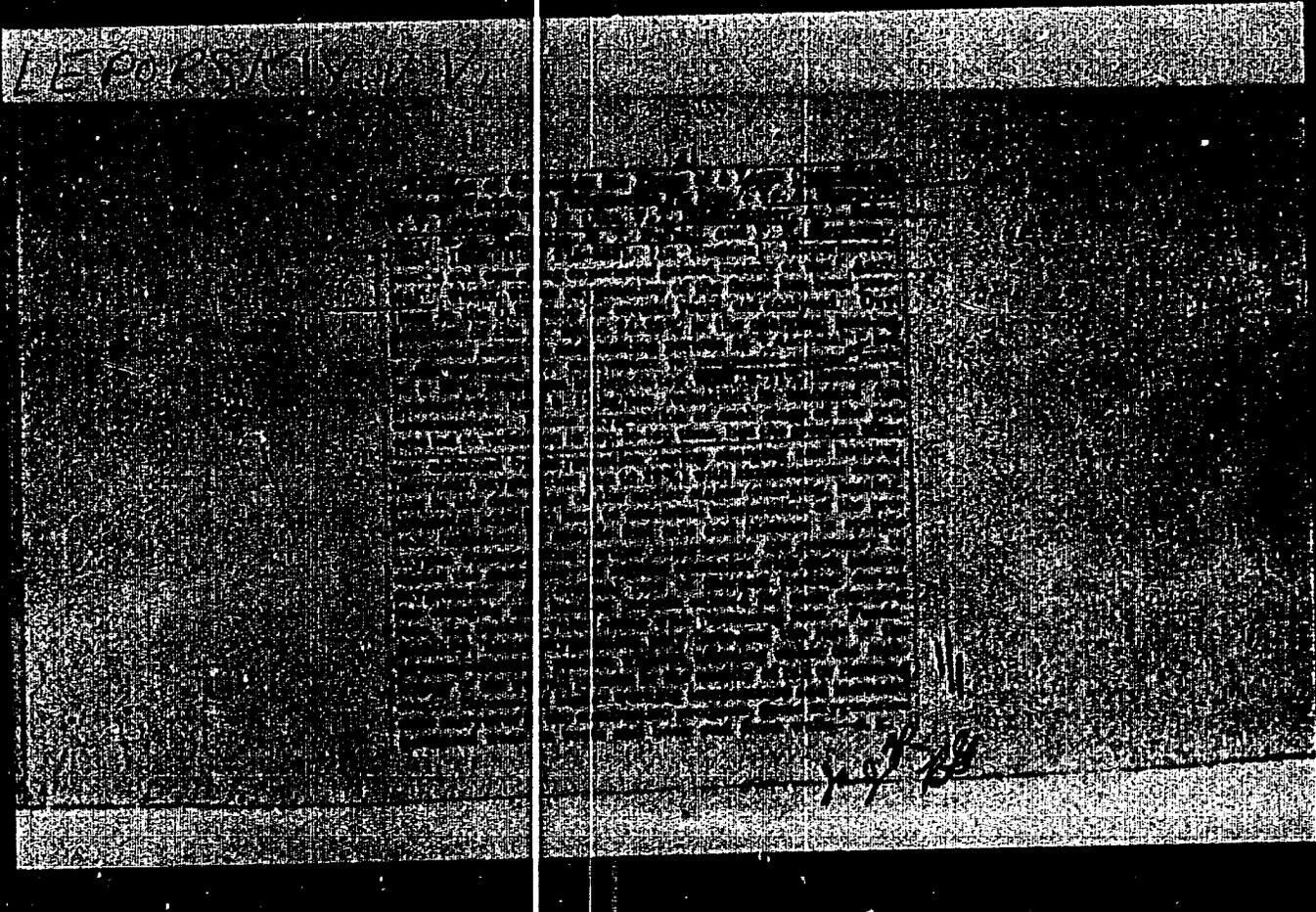
Radioactive tracer study of the refining of phosphorus-containing
pig iron. Stal' 16 no.1:19-22 '56. (MLRA 9:5)

1. Zavod "Azovstal'" i Tsentral'nyy nauchno-issledovatel'skiy
institut chernoy metallurgii.
(Iron--Metallurgy) (Phosphorus--Isotopes)

SHNEYEROV, Ya.A.; OYKS, G.N.; LEPORSKIY, V.V.; SLADKOSHTSEYEV, V.G.;
SUKACHEV, A.I.; SLEPKANEV, P.N.

Oxygen blow in the bath during the open-hearth conversion of
phosphorous cast iron. Stal' 16 no.7:587-595 J1 '56. (MLRA 9:9)

1. Ukrainskiy institut metallov, Moskovskiy institut stali i
zavod "Azovstal'".
(Cast iron--Metallurgy) (Oxygen--Industrial applications)



LEPORSKIY, V.V.; KAPUSTIN, Ye.A.; GLINKOV, G.M.; SLEPKANEV, P.N.

Comparison between tilting and stationary open hearth furnaces. Stal'
17 no,5:411-413 My '57. (MLRA 10:6)

1. Zavod "Azovstal " i Zhdanovskiy metallurgicheskiy institut.
(Open hearth furnaces)

AUTHOR: Leporskiy, V.V., Director "Azovstal" Works SOV/133-58-8-1/30
TITLE: The 25th Anniversary of the "Azovstal" Works
(25 let zavodu "Azovstal")
PERIODICAL: Stal', 1958, Nr 2, pp 673 -675 (USSR)
ABSTRACT: A brief historical outline of the development of the
works is given. The paper is written in a propaganda
style and no absolute production data are quoted.
1. Industrial plants---Development 2. Propaganda--USSR

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SCY/134-58-8-7/30

AUTHORS: ~~Leporskiy, V.V.~~, Petrov, S.S. and Presnyakov, V.K.,
Engineers, Kazantsev, I.G., Professor

TITLE: Mass Production of Semi-killed Steel for Manufacturing
Mine Supports (Massovoye proizvodstvo poluspokoynoy stali
dlya shakhtnogo krepneniya)

PERIODICAL: Stal', 1958, Nr 8, pp 702 - 706 + 1 plate (USSR)

ABSTRACT: Experience gained in the large-scale production of semi-killed steel for rolling profiles for the manufacture of mine supports is discussed. For a long time, a killed steel, St5, was smelted for the purpose (GOST 380-50). In order to increase the yield of rolled products in 1955, the above steel was replaced by a semi-killed steel of the following composition: C 0.28-0.37%, Si - traces, Mn 0.70-1.10%, S \leq 0.055, P \leq 0.050. Smelting of the steel was carried out in 350-ton open-hearth furnaces with basic roofs fired with a mixture of coke-oven and blast-furnace gas. The proportion of hot metal 70-75%. Oxygen additions to flame and to the bath were used during smelting. The deoxidation of metal is done in the furnace with 3.5 - 4.0 t of blast-furnace ferromanganese so as to obtain 0.8-1.0% of manganese in the finished metal. Final deoxidation is done in the ladle with an average of

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SCV/133-58-8-7/30

Mass Production of Semi-killed Steel for Manufacturing Mine Supports

20 g/t of aluminium. The total duration of the heat 11 - 13 hours. Changes in the composition of metal and slag in the course of the heat are shown in figure 1. Steel is bottom-poured in 7-ton ingots. Rolling of ingots is carried out in the same way as for rimming steel. Crop heads do not exceed 5%. The influence of carbon and manganese content on the mechanical properties of steel was investigated by the statistical analysis of data for 518 heats. The results are shown in Table 2 and Figure 2. Conclusions: 1) the possibility of replacing St5 steel by semi-killed steel not containing silicon but about 1% of manganese was established. 2) Smelting and teeming of this steel is simple and similar to that of rimming steel. 3) The most economical method of deoxidation of the steel is by an addition of blast-furnace ferrosilicon to the furnace and partially into the ladle with an addition to the ladle of aluminium (30 g/t). Ferrosilicon is not used. 4) Heating and rolling conditions for the steel are the same as for rimming steel. 5) By replacing killed steel by the semi-killed steel, the coefficient of the consumption of metal decreased from 1.257 to 1.146,

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SOV/133-58-8-7/30

Mass Production of Semi-killed Steel for Manufacturing Mine Supports

equivalent to the economy of 111 kg/t of ingots. 6) The quality of the surface of ingots, blooms and finished products from semi-killed steel is quite satisfactory.

7) Mechanical properties of mine supports correspond to requirements of standards for killed steel, St5 (GOST 380-50). There are 2 tables, 2 figures and 4 references, 2 of which are Soviet and 2 English.

ASSOCIATIONS: Zavod "Azovstal'" ("Azovstal" Works) and Zhdanovskiy metallurgicheskiy institut (Zhdanov Metallurgical Institute)

1. Steel--Production 2. Steel--Applications 3. Under-ground structures--Materials

Card3/3

18.3200

77447

SOV/133-60-1-8/30

AUTHORS: Shneyerov, Ya. A., Leporskiy, V. V., Derfel', A. G.,
Bul'skiy, M. T., Alimov, A. G.

TITLE: The Use of Preliminary Processed Cast Iron in Open-
Hearth Smelting

PERIODICAL: Stal', 1960, Nr 1, pp 32-35 (USSR)

ABSTRACT: This is a report concerning ladle treatment of liquid
cast iron blowing steam-oxygen mixture. The experiments
were conducted at the "Azovstal'" plant in 1957, on a
semi-industrial installation in the mixing building.
Only one ladle could be blown at a time. Later on,
from June to August of 1958, fourteen experimental melts
were made. B. S. Kurapin, V. I. Kimirov, H. T. Berilov,
A. M. Kercher and A. I. Tkachenko participated in the
work. For each test melt, 4 ladles (each holding approxi-
mately 60 tons of cast iron) were blown. The beginning
of blowing took place 1 to 2 hours before the beginning
of the test melt. 1.5% of ore and 1.0% of lime were
added to each ladle. The degree of filling the ladle

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The Use of Preliminary Preheated Cast Iron in
Open-Hearth Smelting

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was an average of 73%. The blowing schedule was as follows: Pressure (atm gage): for oxygen, 3.4; for steam, 3.5. Hourly consumption: oxygen, 295 m³/hr; steam, 195 kg/hr. Specific consumption: oxygen, 2.6 m³/ton; steam, 1.7 kg/ton. An increase of steam superheating (up to 300-400° C, instead of 160-180° C) will increase the degree of filling of the ladle by elimination of the splash-out. The open-hearth melts were conducted in 340-ton furnaces using the blown cast iron. The authors arrived at the following conclusions. (1) The experiments showed that during the preliminary blowing of conversion cast iron by the steam-oxygen mixture, silicon, manganese, and sulphur were burned out to the extent of 54%, 37%, and 13.7% respectively. (2) The average increase of temperature of cast iron during blowing equals 30° C. (3) As a result of the decreased consumption of ore and limestone (in the charge), while smelting the blown cast iron, and due to the increase of cast iron temperature, the duration of melts decreased by 45 minutes for rimmed

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The Use of Preliminary Processed Cast Iron in
Open-Hearth Smelting

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SOV/133-60-1-8/30

steel and by 1 hour 11 minutes for rail steel. The specific fuel consumption decreased and the productivity of the furnace increased on the average by 8%. In connection with good experimental results obtained at the "Azovstal'" Plant, it is planned to build an industrial installation for ladle treatment of cast iron. The editors comment that, due to the small number of test melts (only 5000 tons of steel were smelted) the above conclusions should be regarded as only preliminary. There are 2 figures.

ASSOCIATION: Ukrainian Scientific Research Institute of Metals and the "Azovstal'" Plant (Ukrayinskiy n.i. institut metallov i zavod "Azovstal'")

Card 3/3

LEPORSKIY, Vladimir Vladimirovich; KAPUSTIN, Yevgeniy Aleksandrovich;
GLINKOV, German Markovich; MAKOVSKIY, Vitaliy Anaton'yevich;
LEBEDEV, A.I., red.; LANOVSAYA, M.R., red. izd-va; DOBUZHIN-
SKAYA, L.V., tekhn. red.

[Tilting open-hearth furnaces; design and heat transfer] Ka-
chaisushchaisia martenovskaya pech'; konstruktsiya i teplovaya
rabota. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po cherno i
tsvetnoi metallurgii, 1961. 181 p. (MIRA 14:5)
(Open-hearth furnaces--Design and construction)
(Heat--Transmission)

Moscow State Sci. Tech

ferrous & non ferrous

SHNEYEROV, Ya.A.; LEPORSKIY, V.V.; KAZARNOVSKIY, D.S.; KOTIN, A.G.; KURMANOV,
M.I.; SUKACHEV, A.I.; SLADKOSHTIYEV, V.T.; BUL'SKIY, M.T.; SVIRIDENKO,
F.F.; SIDEL'KOVSKIY, M.P.; KOZHEVNIKOV, I.Yu., red.; BORODAVKIN, M.L.,
red. izd-va; ISLENT'YEVA, P.G., tekhn. red.

[Converting phosphorous cast iron in open-hearth furnaces] Peredel fos-
foristykh chugunov v martenovskikh pechakh. Moskva, Gos. nauchno-
tekhn. izd-vo po chernoi i tsvetnoi metallurgii, 1961. 256 p.

(MIRA 14:8)

(Open-hearth process)

LEPORSKIY, V.V.; SLEPKANEV, P.N.; ARKHANGEL'SKIY, Yu.N.; PODOL'SKAYA,
G.A.; GLINKOV, G.M.; KAPUSTIN, Ye.A.; KALOSHIN, N.A.; KRIVENKO, P.T.

Operation of large tilting open-hearth furnaces with natural gas.
Stal' 21 no.10:883-889 0 '61. (MIRA 14:10)

1. Zavod "Azovstal" i Zhdanovskiy metallurgicheskiy institut.
(Open-hearth furnaces)

LUK'YANOV, V.L., deputat Verkhovnogo Soveta SSSR, master bloka martenovskikh pechey; GOLIKOV, I.N.; BUY, B.I.; LEPORSKIY, V.Y.; SOPOV, T., Geroy Sotsialisticheskogo Truda, val'tsovshchik; MANTSEV, B.N.; CHERNOV, V.D., stalevar

We are carrying out the decisions of the 22d Congress of the Communist Party of the Soviet Union. Metallurg 7 no.7:2-6
Jl '62. (MIRA 15:7)

1. Nizhno-Tagil'skiy metallurgicheskiy kombinat (for Luk'yanov).
 2. Direktor Tsentral'nogo nauchno-issledovatel'skogo instituta chernoy metallurgii (for Golikov).
 3. Sekretar' partiynogo komiteta Makeyevskogo metallurgicheskogo zavoda (for Buy).
 4. Direktor zavoda "Azovstal'" (for Leporskiy).
 5. Magnitogorskiy metallurgicheskiy kombinat (for Sopov).
 6. Direktor Gosudarstvennogo soyuznogo instituta po proyektirovaniyu agregatov staleliteynogo i prokatnogo proizvodstva dlya chernoy metallurgii (for Mantsev).
 7. Chelyabinskiy metallurgicheskiy zavod (for Chernov).
- (Metallurgy)

KAPUSTIN, Ye.A.; KALOSHIN, N.A.; RUDMAN, V.D.; LEPORSKIY, V.V.

'Self-carburation of natural gas with the use of oxygen. Stal' 23
no.5:420-421 My '63. (MIRA 16:5)

1. Zhdanovskiy metallurgicheskiy institut i Azovskiy staleplavil'nyy
zavod im. Sergo Ordzhonikidze v Zhdanove.
(Gas, Natural)

LEPORSKIY, V.V.

The "Azovstal'" plant is 30 years old. Metallurg 8 no.8:3-4
Ag '63. (MIRA 16:10)

1. Direktor zavoda "Azovstal'".

LEPORSKIY, V.V., inzh.; PETROV, S.S., inzh.; BUL'SKIY, M.T., inzh.
[deceased]; ALIMOV, A.G., inzh.; BELOGOLOVSKIY, M.Sh., inzh.;
TARASOVA, L.P., inzh.; KALASHNIKOV, A.G., inzh.

Production of medium-carbon, capped steel. Stal' 23 no.8:696-699
Ag '63. (MIRA 16:9)

1. Metallurgicheskiy zavod "Azovstal'."
(Steel--Metallurgy)

LEPORSKIY, V.V.

The "Azovstal'" metallurgical plant is 30 years old. Stal' 23
no.8:673-675 Ag: '63. (MIRA 16:9)

1. Direktor metallurgicheskogo zavoda "Azovstal'."
(Zhdanov--Iron and steel plants)

LEPORSKIY, V.V., inzh.; BUL'SKIY, M.T., inzh. [deceased]; SVIRIDENKO, F.F.,
inzh.; VISTOROVSKIY, N.T., inzh.

Rapid filling of the riser-head part of ingots. Stal' 23 no.8:
705-706 Ag '63. (MIRA 16:9)

1. Metallurgicheskiy zavod "Azovstal'."
(Steel ingots)

LEFORSKIY, V.V., inzh.; SLEPKANEV, P.N., inzh.; KATSMAN, Ye.R., inzh.

Operation of industrial equipment for the treatment of cast iron in
ladles. Stal' 23 no.8:715 Ag '63. (MIRA 16:9)

(Cast iron--Metallurgy)

(Open-hearth furnaces--Equipment and supplies)

~~LEPORSKIY, V.V., inzh.; SLEPKANEV, P.N., inzh.; BUL'SKIY, M.T., inzh.
(deceased); KRIVENKO, P.T., inzh.; SVIRIDENKO, P.F., inzh.;~~
PEREKRESTOV, V.I., inzh.

Improving individual elements of high-capacity, tilting open-
hearth furnaces. Stal' 23 no.8:716-717 Ag '63. (MIRA 16:9)

1. Metallurgicheskiy zavod "Azovstal'".
(Open-hearth furnaces--Design and construction)

LEPORSKY, ALEXANDR.

Leporsky, Alexandr. Denirometrie. Praha, Statni pedagogicke nakladatelstvi, 1954. 393 p. (Ucebni texty vysokyh skol) (Forest rensuration; a text-book) DA Not in DLJ

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 11, Nov. 1955, Uncl.

LEPORSKY, Alexandr, prof. inz. dr. (Brno)

Problem of the tree age development trends and the use of this
factor for establishment of increment tables. Les cas 10 no. 7:
695-699 J1 '64.

LEPORSKY, Alexandr, prof. (Brno).

Remarks on the J.Horak article. Les cas 11 no.2:206 F '65.

LEPORSKY, A.

Notes on A. Bubenik's article "Contribution to the Problem of the Biological Balance of Deer." p. 421.

SBORNIK. LESNICTVI. (Ceskoslovenska akademie zemedelskych ved.) Praha, Czechoslovakia, Vol. 4, no. 5, May 1958.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 11, Nov. 1959
Uncl.

MLADENOVIC, Dragomir, doc., dr.; LEPOSAVIC, Mihajlo, dr.; TASIC, Vasilije, dr.

Pelvo-peritonitis in gynecology. Med. glasn. 15 no.5:234-235 My '61.

1. Ginekolosko-akuserska bolnica grada Beograda (Upravnik: prof. dr P. Kostic).

(PERITONITIS surg)

VRCELJ, Stefanija; BANKOVIC, Stanoje; LEPOSAVIC, Miodir

Malnutrition syndrome after partial gastrectomy. Srpski arh.
celok. lek. 87 no.11:1061-1067 N '59.

1. Interna klinika A Medicinskog fakulteta u Beogradu, Upravnik:
prof. dr Branislav Stanojevic; Patolosko-anatomski institut Medi-
cinskog fakulteta u Beogradu, Upravnik: prof. dr Zivojin Ignjacev.
(GASTRECTOMY compl.)
(EMACIATION etiol.)

CONFIDENTIAL

CONFIDENTIAL

Dr. ~~BRISKIN~~ and V. BARDIN, Department of Biological Chemistry,
Central Faculty (Faculty of Medicine) at the University of
Belgrade.

These results of the biochemical data show that the synthesis of
DNA is inhibited by the antibiotic streptomycin.

Received at the Department of Biology, University of Belgrade, 1968.

Abstract: Streptomycin and other drugs in the group of aminoglycosides
inhibit the synthesis of DNA in the cells of the Central Faculty of
Medicine, Belgrade. The results of the biochemical data show that the
synthesis of DNA is inhibited by the antibiotic streptomycin. The
effect of streptomycin on the synthesis of DNA is reversible. The
effect of streptomycin on the synthesis of DNA is reversible. The
effect of streptomycin on the synthesis of DNA is reversible.

LEPOSAVIC, M.; KANJUH, V.

Contribution to the pathogenesis of broncho-arterial fistula due to the penetration of non-irradiated carcinoma of the bronchus into a branch of the pulmonary artery. Acta med. iugosl. 16 no.1:111-119 '62.

1. L'institut d'anatomie pathologique de la Faculte de medecine de l'Universite de Belgrade.

(BRONCHIAL NEOPLASMS)
(PULMONARY ARTERY)

(BRONCHIAL FISTULA)
(FISTULA)

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SAYIC, Dragislav; MIHALJEVIC, Biljka; ISVANESKI, Milorad; STOJEMIROVIC,
Emilija; MISROVIC, Kosta; LEPOSAVIC, Mionir.

Tonsils in tuberculosis. Srpski arh. celok. lek. 92 no.11:
1105-1108 N'64.

1. Otorinolaringoloska klinika Medicinskog fakulteta Univer-
ziteta u Beogradu (Upravnik: prof. dr. Srećko Podvinec);
Patoloski institut Medicinskog fakulteta Univerziteta u
Beogradu (Upravnik: prof. dr. Zivojin Ignjacev).

YUGOSLAVIA

RASOVIC, Ljubomir; GERZIC, Zoran; LEPOSAVIC, Miodir; PEROVIC, Miroje;
MILENKOVIC, Miodrag; DUGALIC, Dragan and PANTIC, Jugoslav; First Surgical
Clinic of Medical Faculty of University (Hirurska klinika Medicinskog
fakulteta Univerziteta), Head (Upravnik) Prof Dr Ljubomir RASOVIC,
Belgrade.

"Experimental Homotransplantation of the Kidney in Dogs."

Belgrade, Srpski Arhiv za Tselokupno Lekarstvo, Vol 93, No 4, Apr 1965;
pp 373-380.

Abstract [English summary modified]: Detailed report on one auto-
transplantation and 10 homotransplantations of the kidney in dogs.
The contralateral kidney was removed in all except one dog; this was
also the only animal that survived over 15 days postoperative, except
for the autotransplantation case. Table, surgical specimen photograph,
1 Soviet and 9 Western references; manuscript received 18 Dec 64.

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YUGOSLAVIA

LEIČOSAVIC, Miodir, Dr.; ISVANEŠKI, Milorad, Dr.: Institute of Pathology, Faculty of Medicine, University of Belgrade (Head: IGWA-CEV, Zivojin, Dr.) (Patološki institut Medicinskog fakulteta Univerziteta u Beogradu), Belgrade.

"Glucogen Storage Disease of the Heart"

Belgrade, Srpski arhiv za celokupno lekarstvo, Vol 93, No 12, 1965, pp 1103-1114

Abstract [Authors' English summary modified]: This article describes cardiomegalia glycogenica in a family where three children were affected in the first months of life. The cause of death of the children was the gradual weakening of the myocardium caused by excessive accumulation of glycogen in the muscles and by secondary respiratory infection. The characteristics of the disease are enumerated in the discussion. Pictures. 28 Western references. Manuscript received 15 Jul 65.

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ZMUDZKA, Barbara; LEPOUTRE, L.; SHUGAR, D.

Acid and enzymic hydrolysis products of the cyclic phosphate esters of 1-(β -D-glucopyranosyl) uracil. Acta biochim. polon. 10 no.3:287-299 '63.

1. Department of Biochemistry, State Institute of Hygiene; and Institute of Biochemistry and Biophysics, Polish Academy of Sciences, Warszawa.

(URACIL) (PHOSPHATES) (CHROMATOGRAPHY)
(BRAIN) (ENZYMES) (TISSUE EXTRACTS)
(NUCLEOSIDES)

DONAT, Tibor, dots.; SATYUKOVA, Galina, kand. med. nauk, dots.;
LEPP, Arne, assistant; SIZA, Mario, doktor [translator]
ERDI, K., otv. red.

[Explanatory anatomical dictionary; comparative synopsis
of the terms of the Basel, Jena and Paris nomenclatures
grouped by organs. Translated from the Hungarian] Tolkovyi
anatomicheskii slovar'; sravnitel'nyi obzor terminov Bazel'-
skoi, Ienskoj i Parizhskoj nomenklatur, sgruppировannykh po
organam. Budapest [Akad.nauk] 1964. 590 p.

(MIRA 17:12)

1. Kafedra anatomii Budapeshtskogo meditsinskogo universiteta
(for Donat).

SOV/23-58-4-2/13

AUTHORS: Reyzman, R.P., Candidate of Technical Sciences,
and Lepp, A.A.

TITLE: The Calculation of Bent Reinforced Concrete Beams
Made of Local Materials (O raschëte izgibayemykh
zhelezobetonnykh balok, izgotovlennykh iz mest-
nykh materialov)

PERIODICAL: Izvestiya Akademii nauk Estonskoy SSR, 1958, Nr 4,
pp 273-282 (USSR)

ABSTRACT: The Institute of Construction and Building Mater-
ials of the Academy of Sciences, Estonian SSR,
and the Opytnyy zavod Upravleniya promyshlennosti
stroitel'nykh materialov SNKh ESSR (Experimental
Plant of the Administration of Building Material
Industry, SNKh ESSR) developed a method to manu-
facture reinforced concrete beams from local
materials, (such as heavy and porous concrete
from lime-sand and shale ashes), the cross section
being 15 x 25 cm and the effective span 280 cm.

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SOV/23-58-4-2/13

The Calculation of Bent Reinforced Concrete Beams Made of
Local Materials

However, the problem of calculating such constructions according to limit under continuous loads, and the protection of the fittings from corrosion were not solved. The article contains a summary of the result of tests made with these beams. It is possible to calculate the bending elements according to the technical norms (N i TU - 123-55), applying for the calculation of the breaking load of concrete with a pressure strength of less than 50/sq cm, a coefficient of 0.7. For concrete with a pressure strength of 50 - 100 kg/sq cm, a coefficient of 0.85 is used. The coefficient Θ indicating the increase of bending under a continuous load is 1, for the autoclave silicate (lime-sand monoliths), 3-4 for foam silicate (the porous lime-sand monoliths), and 5 for the steamed-shale ashes concrete. Beams made of the latter concrete showed inadmissibly

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NOV/25-58-A-2/15

The Calculation of Bent Reinforced Concrete Beams Made of
Local Materials

large plastic deformations. The authors express their gratitude to Doctor of Technical Sciences Professor Kh. Laul¹ for his cooperation in preparing this article. There are 6 Soviet references, 4 tables, 2 sets of diagrams and 1 graph.

ASSOCIATION: Institut stroitel'stva i stroitel'nykh materialov Akademii nauk Estonskoy SSR (Institute of Construction and Building Materials, Academy of Sciences, Estonian SSR)

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SOV/23-58-4-2/13

The Calculation of Bent Reinforced Concrete Beams Made of
Local Materials

SUBMITTED: July 9, 1958

NOTE: Russian transliteration of names, titles and as-
sociations are used throughout this abstract.

Card 4/4

LEPP, E.K.

Care of patients with malignant tumors of the gastrointestinal tract before and after surgery. Sov.zdrav.Kir. no.4:54-58 J1-AG '62.
(ALIMENTARY CANAL--CANCER) (MIRA 15:8) (POSTOPERATIVE CARE)

LEPP, E.K.

State of liver function in stomach cancer. Sov. zdrav.
Kir. no.6:22-27 N-D'62. (MIRA 16:6)

1. Iz Kirgizskogo nauchno-issledovatel'skogo instituta on-
kologii i radiologii (dir. - prof. A.I.Sayenko).
(STOMACH--CANCER) (LIVER--GLYCOGENIC FUNCTION)

LEPP, P.YA.; TALIMYSTER, E.T.

Some properties of serological types of *Escherichia coli* (026, 0111) isolated in diarrheas in infants and in young children. Zhur.mikrobiol., epid.i immun. 30 no.12:73-76 D '99.

(MIRA 13:5)

1. Iz Tartuskogo gosudarstvennogo universiteta.
(DIARRHEA microbiol.)
(ESCHERICHIA COLI)

LEPP, J.

A recent example of the formation of cyclones in northern Hungary.

p. 137 (Idojara. Vol. 61, no. 2, Mar./Apr. 1957. Budapest, Hungary)

Monthly Index of East European Accessions (MEMIA). Vol. 7, no. 2,
February 1958

KAPOVITS, A.; LEPP, I.

Radar meteorological study trip to the Soviet Union. Idogaras
68 no.5:319 S-0 '64.

LEPP, Ildiko; VISSY, Karoly

Correctness of the forecasts of middle duration in Hungary.
Idojaras 66 no.3:158-160 My-Je '62.

LEPP, Ildiko; MARR, Jeno

The second Budapest meeting of the working group of aviation meteorologists. Idojaras 67 no.5:313-314 S-0 '63.

DUMAYNE SZOKOL, Ilona; LEPP, Ildiko

Extraordinary weather conditions during the passage of two
cold fronts. Idojaras 68 no.4:232-236 J1-Ag '64.

L 38640-66 FCC

ACC NR: AP6027674

SOURCE CODE: HU/0033/66/000/002/0121/0123

AUTHOR: Lopp, J.

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2

ORG: none

TITLE: 38th General Meeting of the Hungarian Meteorological Society

SOURCE: Idojaras, no. 2, 1966, 121-123

TOPIC TAGS: meteorologic conference, meteorology

ABSTRACT: The 38th General Meeting of the Hungarian Meteorological Society (Magyar Meteorologiai Tarsasag) was held 27 Jan 1966 at the House of Technology (Technika Haza [name of city not given]). This was the 41st annual meeting of the Society. The lectures dealt mainly with administrative issues and reports of study trips abroad by members. The Society now has 452 members. The plan for 1966 was discussed. The salient features of the lectures presented were briefly mentioned. The president of the Society is DESI, Frigyes; its General Secretary, SZAKALY, Jozsef. [JPRS: 36,457]

SUB CODE: 04, 05 / SUBM DATE: none

Card 1/1 100

0977 1173

LEPP, Yu. F.

"Comparative Evaluation of the Tension in the Large Arteries of Hypertensive Patients Based in Particular on the Determination of the Velocity of the Dispersion of the Pulse Wave." Cand Med Sci, Tartu State U, Tartu, 1954. (RZhBiol, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (17)
SO: Sum. No. 506, 24 Jun 55

USSR/Human and Animal Physiology. Respiration.

T-6

Abstr Jour: Ref Zhur-Biol., No 12, 1958, 55670.

Author : Lepp, Yv. F.

Inst : Tartu University.

Title : Functional Coordination of Respiratory and Blood
Circulation Organs.

Orig Pub: Uch. zap. Tartusk. un-ta, 1957, vyp. 52, 13-29.

Abstract: No abstract.

Card : 1/1

89

USSR/Human and Animal Physiology. Blood Circulation. General Problems.

T-5

Abs Jour: Ref Zhur-Biol., No 12, 1958, 55549.

Author : Lopp, V. F.

Inst : Tartu University.

Title : The Ortho-Clinostatic Test as an Indicator for the Functional State of the Cardiovascular System.

Orig Pub: Uch. zap. Tartusk. un-ta, 1957, vyp. 52, 30-40.

Abstract: Ortho-clinostatic tests were performed on healthy persons, and on patients with an initial (latent) cardiovascular insufficiency, as well as on patients with hypertonic and ulcer diseases. The systolic and diastolic arterial pressure (according to the method of Korotkov) were determined, and also the venous pressure (according to the method of Wal'dman),

Card : 1/2

LEPPEL', V.I., inzh.; NAZARENKO, I.I., inzh.

Equipment for the welding under flux of flanges to pipes. Svar.proizv.
no.3:37-38 Mr '61. (MIRA 14:3)

1. Kiyevskiy proyektno-konstruktorsko-tehnologicheskij institut.
(Electric welding--Equipment and supplies)
(Pipe flange--Welding)

LEPPEL', V.I., tekhnik; NAZARENKO, I.I., inzh.

Electrode holder for air-arc metal cutting. Svar. proizv. no.5:
32 My '61. (MIRA 14:4)

1. PKTI Kiyevskogo sovnarkhoza.
(Electric metal cutting—Equipment and supplies)

AUTHOR: Leppel', V.I., Engineer SOV/155-59-1-14/18

TITLE: A Stand for the Automatic Welding of Longitudinal Shell Seams on a Flux Pad (Stend dlya avtomaticheskoy svarki prodol'nykh shvov obechayek na flyusovoy podushke)

PERIODICAL: Svarochnoye proizvodstvo, 1959, Nr 1, p 42 (USSR)

ABSTRACT: Information is given on the design and operation of a new stand, intended for welding longitudinal seams up to 2.4 m in length, on shells of 200 - 800 mm diameter, with a fusing-through of butts in 2 - 12 mm thick walls. The stand, which consists of a cast structure and a movable flux pad, is of a simple design and can be constructed at any plant with minimum cost. There are 2 diagrams and 1 table.

Card 1/1

LEPPEL', V.I., inzh.

Using a welding tractor for welding curved joints. Sudostroenie
24 no.5:54 My '58. (MIRA 11:6)
(Ships--Welding)

LEPPEL', V.I., inzh.

Using the TC-17m welding tractor for welding curved joints on inclined surfaces. Sudostroenie 24 no.9:69-70 5 '58.

(Ships--Welding)

(MIRA 11:11)

(Electric welding--Equipment and supplies)

S/135/61/000/009/005/006
A006/A101

AUTHOR: Leppel', V.I., Technician

TITLE: Semi-automatic submerged welding under flux of boiler shells with
2 - 3 mm thick walls

PERIODICAL: Svarochnoye proizvodstvo, no. 9, 1961, 25 - 26

TEXT: The author developed a machine of the ПШ-54 (PSh-54) or ПШ-5 (PSh5) type for submerged semi-automatic welding of longitudinal seams on boiler shells. Shells up to 1.2 m length, 300 mm and more diameter, and 2, 2.5 and 3 mm wall thickness, can be welded on these machines. Tests proved that high-quality semi-automatic welding of thin metal was possible if the assembly and clamping of the work piece were satisfactory. The gaps should then be very small and clamping must be performed by 3 mm diameter electrodes at 100 - 110 amps current. The clamps should be placed inside the shell. A guide ruler, 1 - 1.2 m long, with a fixed electromagnet assures the accurate alignment of the semi-automatic welding head. The electromagnet is power supplied from the d-c welding machine and is rated for a voltage of 40 v. During welding the semi-automatic head moves along the ruler. Its handle should then be parallel

Card 1/2

Semi-automatic submerged welding ...

S/135/61/000/009/005/006
A006/A101

to the shell plane and its nozzle should contact the shell surface and the ruler edge. The machine is simple and reliable. The seams produced are straight and burning-through is prevented, since the flux pad is tightly pressed against the weld. There are 2 figures. /

ASSOCIATION: PKTI Kiyevskogo SNKh (PKTI of the Kiyev Sovnarkhoz)

Card 2/2

LEPPEL', V.I.; NAZARENKO, I.I., inzh.

Automatic flange welding to pipes with the help of an expansion device.
Sudostroenie 27 no.3:54-55 Mr '61. (MIRA 14:3)
(Pipe flanges--Welding) (Marine pipe fitting)

LEPPEL', V.I., tekhn.

Semiautomatic welding under flux of shells with a wall
thickness of 2 to 3 mm. Svar. proizvod. no.9:25-26 S '61.
(MIRA 14:8)

1. Proyektno-konstruktorskiy tekhnologicheskii institut
Kiyevskogo Soveta narodnogo khozyaystva.
(Electric welding--Equipment and supplies)

LEPEL', V.I., tekhnik

Rotating device for the making of ring welds. *Svar. proizv.*
no.12:36 D '61. (MIRA 14:12)

1. Kiyevskiy eksperimental'nyy mekhanicheskly zavod sel'khozmashtabnoy stroyeniya.
(Electric welding---Equipment and supplies)

S/135/62/000/005/006/007
A006/A101

AUTHOR: Leppel', V. I., Technician

TITLE: Submerged-arc electric-rievet welding with the ПШ-54 (PSh-54)
semi-automatic machine

PERIODICAL: Svarochnoye proizvodstvo, no. 5, 1962, 36 - 37

TEXT: Submerged-arc electric rivet welding of pulleys was developed and assimilated at the Kiyev Pilot Plant of Agricultural Machinebuilding, with the use of semi-automatic machine PSh-54. Welding is performed in a special device, consisting of a base, a central rod and a cover. A copper strip is fixed to the butt surface of the base. In the cover there are apertures corresponding to the number of rivets. The disks to be welded are placed onto the central rod, covered and fixed. The flux is filled into the cover holes. For electric rivet welding, the semi-automatic holder was redesigned, namely, the copper tip was replaced by a special nozzle making it possible to adjust the holder exactly to the rivet location. Welding is performed on d-c of reverse polarity with 1.6 mm diameter CB-08A (Sv-08A) electrode wire and AH-348 (AN-348) flux. The time of

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S/135/62/000/005/006/007
A006/A101

Submerged-arc electric-rivet welding...

arc burning is limited by a time relay. The total thickness of the material welded is 1.5 + 1.5 and 2 + 2 mm. To make it possible of employing the machine for both normal and electric rivet welding, a special electric circuit is used. There are 4 figures.

ASSOCIATION: PKTI Kiyevskogo sovnarkhoza (PKTI of the Kiyev Sovnarkhoz)

Card 2/2

LEPPEL', V.I., tekhn.

Electric rivet welding under flux by PSH-54 semiautomatic machine.
Svar.proizv. no.5:36-37 My '62. (MIRA 15:12)

1. Proyektno-konstruktorskiy tekhnologicheskiy institut
Kiyevskogo soвета narodnogo khozyaystva.
(Electric welding) (Rivets and riveting)

LEPPEL', V.I., inzh.

Electromagnetic guide for the semiautomatic welding of butt joints. Sudostroenie 28 no.1:75 Ja '62. (MIRA 16:7)

(Electric welding—Equipment and supplies)

L 28864-66 EWP(k)/EWT(m)/I/EWP(v)/EWP(t)/ETI IJP(c) JD/HW

ACC NR: AP6011536

(N)

SOURCE CODE: UR/0135/66/000/004/0031/0033

AUTHOR: Shapiro, I. S. (Candidate of technical sciences); Beyder, B. D. (Engineer); Lepp, V. R. (Engineer); Shubin, G. S. (Engineer); Samokhin, O. G. (Technician); Rozhnov, V. S. (Technician)

71
70
B

ORG: none

TITLE: Gas-electric arc cutting of aluminum ⁷ alloys up to 250 mm thick

SOURCE: ¹⁴ Svarochnoye proizvodstvo, no. 4, 1966, 31-33

TOPIC TAGS: ¹⁴ metal cutting, metal cutting machine tool, gas cutting, cutting tool, rectilinear cutting machine, rectifier, metal plate cutting apparatus, flame cutting, aluminum alloy, electric arc, hydrogen / PPR-1 cutting tool, OPR-1 cutting tool

ABSTRACT: So far the maximum thickness of aluminum alloys cut industrially by the gas-electric arc method has been 70 mm. Further technical progress dictates the need to enlarge this maximum. In this connection, the authors investigated the possibility of cutting Al alloys up to 250 mm thick by the gas-electric arc method and developing efficient equipment and techniques for this purpose. AN IP-150/250M rectifier developed by the authors was used as the power source for the cutting arc and the cutting was performed with the aid of an PPR-1 semiautomatic rectilinear cutting machine.

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UDC: 621.791.945.55:669.715

L 28864-66

ACC NR: AP6011538

Slabs of the Al alloys AMg6 and D6 and avial-type alloys 70-250 mm thick were cut. A major factor in cutting metal plate is the so-called "piercing time" (time from the instant of ignition of the cutting arc until complete melting of the spot at which the arc is first applied): the shorter the piercing time is, the faster the cutting rate; this involves a certain (optimal) rate of hydrogen consumption for a specified thickness of metal. It was found that the optimal consumption of H₂ increases with increasing thickness of the metal being cut owing to the attendant increase in the length of the cutting arc and hence also in the amount of the hydrogen dissociated. Another factor to be considered is the optimal angle of approach of the electric arc to the line of planned cut and the subsequent rate of advance of the cutting head. Oscillographic studies of the change in cutting-arc voltage following contact with metal showed that then a linear increase in voltage takes place. This made it possible to develop a special servo system functionally -- through feedback -- relating the cutting rate to the arc voltage as based on the use of a cutting head powered by a DC motor whose armature is connected to a power system via an MU magnetic amplifier with self-magnetization and internal positive current feedback, which adjusts the motor RPM to an extent corresponding to the required rate of advance of the cutting head as function of the operation performed at the moment (no load, ignition, approach to planned line of cut, actual cutting). On this basis the OPR-1¹⁸ plate-metal cutting apparatus for rectilinear as well as profile cutting has been developed; it is equipped with a special extensible panel for remote control of the operations if desired. Orig. art. has: 5 figures, 1 table.

SUB CODE: 11, 13/ SUBM DATE: none/ ORIG REF: 003

Card 2/2 CC

137-58-3-5920

2. A. P. P. 7. 1. 5. C.
Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 209 (USSR)

AUTHORS: Voronova, N. A., Gutman, M. R., Troskunov, Ya. L., Armen,
B. D., Leppeta, B. G.

TITLE: Low Carbon Cast Iron Rolls (Prokatnyye valki iz nizkouglerodistogo chuguna)

PERIODICAL: Tr. In-ta chernoy metallurgii. AN UkrSSR, 1957, Vol II,
pp 196-214

ABSTRACT: An account of the results of an investigation performed on rolls made of low-carbon cast iron (LCI). The LCI was obtained by blowing oxygen through Cr-Ni cast iron in a converter with a 2.5 t capacity. Rolls 515 mm, 480 mm, and 400 mm in diameter were cast into a lubricated metallic mold at temperatures between 1360°-1400°C. Two versions for the modification of LCI in the converter were investigated: Fe-Si of the SI-45 type and Si-Ca. After the Fe-Si processing of LCI containing 0.6-0.8 percent Si and 0.8-0.9 percent Cr, no carbon remained in free state, whereas after Si-Ca treatment most of the C was in the form of graphite. Compared with the LCI with Fe-Si, the LCI with Si-Ca exhibits better fluidity. In order to

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137-58-3-5920

Low Carbon Cast Iron Rolls

attain an H_B of 380-400, it is recommended that the rolls be cast at temperatures of 1360° - 1400° with cast iron of the following chemical composition: in the case of Fe-Si treatment: 2.4-2.6 percent C_{tot} ; 0.9-1.0 percent Si; 0.5-0.6 percent Mn; 0.8-0.9 percent Cr; and 1.2-1.3 percent Ni; in the case of Si-Ca treatment: 2.4-2.6 percent C_{tot} ; 0.6-0.7 percent Si; 0.5-0.6 percent Mn; 0.9-1.0 percent Cr; and 1.2-1.3 percent Ni. Rolls made of cast irons exhibit uniform hardness and uniform cross-sectional microstructure. The durability of LCI rolls is 2-2.5 times that of rolls made of cast irons of standard C content; their employment has resulted in a 3.5 percent increase in productivity of rolling mills.

E. Sh.

Card 2/2

KUZNETSOV, M.G.; LEPIK, A.I., inzh.

Work and plans of Ukrainian airplane pilots. Zashch.rast.ot vred.
i bol. 7 no.5:14-16 My '62. (MIRA 15:11)

1. Nachal'nik otdela spetsprimeneniya Ukrainskogo territorial'nogo
upravleniya Grozhdanskogo vozdušnogo flota (for Kuznetsov).
(Ukraine--Plants, Protection of)
(Aeronautics in agriculture)

16.8000 (1031,1121)

26759
S/023/61/000/003/001/001
D202/D301

AUTHOR: Leppik, K.

TITLE: Dynamic error in program-controlled two-coordinate servo-systems

PERIODICAL: Akademiya nauk Estonskoy SSR. Seriya fiziko-matematicheskikh i tekhnologicheskikh nauk. Izvestiya, no. 3, 1961, 190 - 206

TEXT: This paper examines the dynamic error reproducing a) straight lines and curves of the second order, and b) parabolas of the third and fourth degree. It is assumed that the servo-system is linear and continuous, and that the programming unit is also of the analogue type. This work was carried out under the direction of A.A. Voronov (Ref. 1: Sbornik raport po voprosam electromekhaniki, vyp. III, Izd. AN SSSR, 1960) at the USSR Academy of Sciences, Institute of Electromechanics. Reproduction of straight lines. Error-free reproduction is obtained if the servo-systems for x and

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Dynamic error in program- ...

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D202/D301

y are identical, and the initial velocities are both zero, or $\dot{x}_0 = \dot{y}_0 = 0$. In this case $x \neq x_1$ and $y \neq y_1$, i.e. the output of the programming unit and the output of the servo-system are not identical. If the initial velocities \dot{x}_0 and \dot{y}_0 are arbitrary values then the error is given by the formula

$$\delta = \frac{\dot{x}_0 x_c - \dot{y}_0 y_c}{\sqrt{x_c^2 + y_c^2}} \cdot \frac{e^{\alpha_1 t} - e^{\alpha_2 t}}{\alpha_1 - \alpha_2} \quad (4)$$

where α is the root of the characteristic equation for the corresponding (x or y) channel. If the servo-systems are not identical, the output is a straight line, parallel to the line representing the output of the programming unit. The error is found to be proportional to the velocity of movement along the trajectory. If the servo-systems are identical, the introduction of corrective impul-

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S/023/61/000/003/001/001

D2o2/D301

Dynamic error in program- ...

ses into the program has no practical value in the reproduction of straight lines. On reproduction of parabolas, it is noted that the output of the servo-system is found to be a parabola, shifted along the y axis. The dynamic error is represented by the distance between the two parabolas. The maximum error is

$$\delta_{\max} = \frac{\omega^2 p}{4} (T_1^2 - 2T_2^2) \quad (13)$$

where $\omega = \frac{v}{\sqrt{y^2 + \frac{p^2}{4}}}$. It can be seen that the error is proportion-

nal to the square of the velocity along the trajectory. When the error is expressed as a function $f(\beta)$ of the x and y servo-system time-constants, it is found that the error is maximum when $\beta = \frac{T_2^2}{T_1^2} = 1$. If the two systems are not identical, $T_y = \gamma T_x$, then the parabola representing the output of the servo-system will

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D202/D301

Dynamic error in program- ...

change its position according to the value of β . The situation of maximum error will arise at different points, depending on the vertical or horizontal position of the parabola, and on the value of β . On the reproduction of circles, if the two servo-systems are identical, the output is a circle; if they are not, the output is an ellipse with the axes rotated with respect to the coordinate system. Similar results are obtained with the reproduction of ellipses. On reproduction of parabolas of the 3rd and 4th degree, the behavior of the output depends again on the relationship between the time constants of the two servo-systems. In the case of the 4th degree parabola the output is analyzed into two components; one resulting from a straight line, and the other from a parabola. The positions of these depend on β . The author concludes that the dynamic error can be substantial at high velocities, and its proportional to the trajectory velocity in the case of straight lines, or to the square of the velocity in the case of second degree curves, the exponent increasing further with higher degree curves. Increasing error with respect to the separate coordinates does not

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S/023/61/000/003/001/001

D202/D301

Dynamic error in program- ...

always lead to increasing dynamic error in the reproduction, and vice versa. For example, in reproducing the parabola $y = x^2/p$, if the dynamic error is eliminated in the x coordinate and it is reduced in the y coordinate by introducing the first derivative of the control signal, then after the transient process the reproduction error will increase relative to the uncorrected system. Two ways are open for the correction of dynamic error; 1) reducing the dynamic error in the separate coordinates to such an extent that the reproduction error decreases; 2) to ensure such a relationship between Δx and Δy that the representative point is always on the given curve, and at the same time $x \neq x_1$ and $y \neq y_1$. The dynamic error can be reduced through the correction program if the parameters of the servo-system are known. If the two servo-systems are not identical, however, the programming unit will become too complicated. For this reason identical systems are recommended. Errors in the transient process, arising during program correction, can be eliminated only by a suitable choice of the initial velocities which is not always possible. Apart from program correction, the

X

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D202/D301

X

Dynamic error in program- ...

dynamic properties of the servo-systems themselves can be improved.
There are 7 figures and 2 Soviet-bloc references.

ASSOCIATION: Institut kibernetiki akademii nauk Estonskoy SSR
(Cybernetics Institute, Estonian SSR Academy of
Sciences)

SUBMITTED: December 9, 1960

LEPPIK. K.

Dynamic errors in two-coordinate servo systems with programmed control. Eesti tead akad tehn fuus no.3:190-206 '61.

1. Institut kibernetiki AN Estonskoy SSR.

LEPPIK, K.; RISTOJA, J., red.

[Fundamental problems of automatic control] Automaat-
juhtimise põhiküsimused. Tallinn, Valgus, 1965. 191 p.
[In Estonian] (MIRA 18:12)

LEPPIK, K.V.

Dynamic accuracy of two-coordinate servosystems with program control. Sbor.rab.po vop.elektromekh. no.7150-59 '62. (MIRA 16:1)

(Servomechanisms)

(Automatic control)

LEPPIK, K.V. (Tallin)

Method for compensating variations in the radius of a cutter in
program controlled machine tools. Izv. AN SSSR. Tekh. kib. no.6:
150-153 N-D '63. (MIRA 17:4)

IGNAT'YEV, M.B.; LEPPIK, K.V.

Study of a holonomic automatic system with argument correlation.
Sbor. rab. po vop. elektromekh. no.9:22-23 '63. (MIRA 17:2)

LEPPIK, K.

Correction of equidistant curves in numerically controlled
milling machines. Izv. AN Est. SSR. Ser. fiz.-mat. i tekhn.
nauk 12 no.3:263-272 '63. (MIRA 16:11)

1. Academy of Sciences of the Estonian S.S.R., Institute of
Cybernetics.

LOBOV, V.P.; KALININ, F.L.; LEPPIK, L.A.

Studying the effect of 77 different substances on *Acroptilon*
picris. Nauch.trudy Ukr.nauch.-issl.inst.fiziol.rast. no.23:
173-183 '62. (MIRA 16:2)

(Acroptilon) (Herbicides)

VIVAL'KO, I.G.; KOVALENKO, G.P.; LEPPIK, L.A.

Effect of various nitrogen fertilizers on the increase of flax
productivity. Dep. AN URSR no.6:556-559 '55. (MIRA 9:7)

1. Institut fiziologii roslin ta agrokhimii AN URSR. Predstaviv
diysniy chlen AN URSR O.I. Dushechkin.
(Ukraine--Flax) (Fertilizers and manures)

LEPPIND, R.S.

Biosynthesis of ascorbic acid in the animal organism. Ukr.bio-
khim.zhur. 32 no.3:418-426 '60. (MIRA 13:6)

1. Department of Biochemistry of the Lugansk Medical Institute.
(ASCORBIC ACID) (EMBRYOLOGY)

LEPPIND, R.S. [Leppynd, R.S.]

Effect of injections of some carbohydrates on the ascorbic acid
content in the chicken egg during the process of incubation. Ukr.
biokhim. zhur. 33 no.4:524-529 '61. (MIRA 15:6)

1. Department of Biochemistry of Lugansk Medical Institute.
(EMBRYOLOGY) (ASCORBIC ACID) (CARBOHYDRATES)

AUTHOR: Leproskiy, V.V., Kapustin, E.A., Glinkov, G.M. and
Slepkanov, P.N. 133-5-6/27

TITLE: On the comparison of tilting and fixed open hearth
furnaces. (O sravnenii kachayushchikhsya i statsionarnykh
martenovskikh pechey.)

PERIODICAL: "Stal'" (Steel), 1957, No. 5, pp. 411-413 (U.S.S.R.)

ABSTRACT: This paper is a comment on the paper by K.G. Trubin, "Stal'", 1956, No.9. The above subject is discussed in the light of the results of operating 250 ton tilting furnaces on the Azovstal' Works. For comparison with fixed furnaces the results obtained on the Zaporozhstal' Works are quoted. After indicating that the bottoms of tilting furnaces require more maintenance the authors compare the productivity of both types of furnaces. The dependence of the output per hour on the bottom surface (Fig. 1) and on furnace capacity (Fig.2) indicates that for furnaces of the same bottom area and the same capacity the productivity of fixed furnaces is better. Thermal efficiency of tilting and fixed furnaces is compared on the basis of heat losses and the extent of preheating of gas and air (Fig. 3). The stability of roof refractories in tilting furnaces is lower than in fixed ones; Azovstal' - 29 kg/ton of steel while on the Makeyévsk Works -, 26 kg/ton. It is concluded that technical-economical indices of tilting

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On the comparison of tilting and fixed open hearth furnaces.
(Cont.) 133-5-6/27

furnaces are somewhat lower than those of fixed ones. A comparatively flexible slag operation of tilting furnaces is acknowledged, however, the removal of the first slag starts in the period of the maximum activity of the bath, when the composition of slag has not reached an optimum. In this respect the operation is similar to one on fixed furnaces. There are 3 figures and 5 references, 4 of which are Slavic.

ASSOCIATION: Azovstal' Works and Zhdanovsk Metallurgical Institute.
(Zavod Azovstal' i Zhdanovskiy Metallurgicheskiy Institut.)

AVAILABLE:

Card 2/2

LEPŠANOVIĆ, LAZAR

SUZIĆ, Čedomir

Yugoslavia

Dr

Public Health Center - Indija (Dom narodnog zdravlja -
Indija), Indija; Director: Čedomir SUZIĆ, Dr.

Belgrade, Medicinski pregled, No 8, 1962, pp 501-504.

"Highway Accidents and Arrival of First Medical Help."

Co-author:

~~LEPŠANOVIĆ, Lazar~~, Dr, Public Health Center - Indija (Dom
narodnog zdravlja - Indija).

TRIFUNOVIC, Svetislav; TOT.I., Laslo; LEPSANOVIC, Lazar

Arrhythmia and conduction disorders in acute myocardial infarct.
Med. pregl. 17 no.10:557-563 '64.

1. Klinika za interne bolesti Klinicke bolnice u Novom Sadu
(Nacelnik: Prof. dr. Dimitrije Stanulovic).

TRIFUNOVIC, Svetislav; TOT-I, Laslo; LEPSANOVIC, Lazar

Analysis of electrocardiographic changes in patients with cerebral vascular accidents. Med. pregl. 18 no.1:35-38 '65.

1. Klinika za interne bolesti Klinicke bolnice u Novom Sadu (Nacelnik: Prof. dr. Dimitrije Stanulovic).

LEPSHEY, A., podpolkovnik

Let's teach our fliers to be tireless fighters for the cause of
the party. Komm.Vooruzh.Sil 1 no.2:62-65 Ja '61. (MIRA 14:8)
(Russia--Air Force--Political activity)

LRPSHKOV, I.N.; BODALEVA, N.V.; KOTOVA, L.T.

Solubility polytherm for the quaternary system $\text{Li}_2\text{SO}_4 - \text{Na}_2\text{SO}_4 - \text{K}_2\text{SO}_4 - \text{H}_2\text{O}$
in the temperature range from 15 to 100°C. Zhur.neorg.khim. 7 no.7:
1699-1703 J1 '62. (MIRA 16.3)

(Alkali metal sulfates)

(Solubility)

LEPSI, Iosif

Contributions to the knowledge of some protozoa found in the
urns of the *Nepenthes* and *Sarracenia* carnivorous plants.
Studii biol Cluj 13 no.2:273-278 '62.

1. Academia R.P.R.- Bucuresti, Institutul de cercetari bio-
logice "T.Savulescu".

IEPSI, J.

Protozoa of the Sfanta peat lake in Rumania. In German. p. 73

Bucharest. Muzeul National de Istorie Naturala "Grigore Antipa."
TRAVAUX. Bucuresti, Rumania. Vol. 1, 1957

Monthly list of East European Accessions (EEAI) IC Vol 8, No. 6, June 1959
Uncl.

LEPSI, L.

Two new species of Mastigamoeba. p. 97. Vol. 5. No. 1, Jan. 1955. Comunicarile.

Source: East European Accessions List (EEAL), Lc, Vol. 5, No. 3, March 1956

IONESCU, I ; LEPSI, S.; SVALBTOM, L.; NISA, Constant; STOIKA, M., ROBOESCU,
Virginia

Studies and research on the elements of rough oil filtration in
the D-36 M engine. Bul St st Tehn Tim 9 no.1:111-119 Ia-le '64.

LEPSI, V.

We will travel more comfortably at the end of our present Five-Year Plan.

p. 259 (Zeleznicar. Vol. 5, nos. 1-6, 8; Jan.-June, Aug. 1958. No. 10, Oct. 1957.
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